

Appln. No.: 09/987,849
Response/Amendment dated March 14, 2006
Response to Non-Final Office Action dated December 19, 2005

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-105. Cancelled

106. (Currently Amended) A mobile terminal device comprising:

a camera system comprising a lens module, which enables taking pictures with optical imaging properties given by the lens module;

a part of a housing of the mobile terminal device, wherein the part of the housing is detachable from the mobile terminal device; and

means for changing optical properties of the lens module, the means being adapted to cooperate with the lens module of the camera system to enable taking pictures with changed optical imaging properties, wherein the part of the housing comprises the means for changing optical properties.

107. (Previously Presented) A mobile terminal device according to claim 106, wherein the part of a housing comprising the means for changing optical properties is detachably connected to the camera system.

108. (Previously Presented) A mobile terminal device according to claim 106, wherein the part of the housing integrates an assembly of a plurality of means for changing optical properties each being adapted to cooperate with the lens module of the camera system, wherein the assembly can be changed upon actuation.

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109. (Previously Presented) A mobile terminal device according to claim 106, wherein the means for changing optical properties is at least one of a lens, an objective comprising lenses, at least one filter, and a diffractive optical element.

110. (Previously Presented) A mobile terminal device according to claim 106, wherein the camera system is built-in the mobile terminal device.

111. (Previously Presented) A mobile terminal device according to claim 106, wherein the camera system is attached to the mobile terminal device as an external module.

112. (Previously Presented) A mobile terminal according to claim 106, wherein the mobile terminal device is a mobile phone.

113. (Currently Amended) A part of a housing of a mobile terminal device which is detachable from the mobile terminal device, wherein the part of the housing comprises means for changing optical properties of a lens module of a camera system of the mobile terminal device, wherein the camera module with the lens module enables taking pictures with optical properties given by the lens module and the means are adapted to cooperate with the lens module of the camera system to enable taking pictures with changed optical imaging properties.

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114. (Currently Amended) A part of the housing according to claim 113, wherein the means for changing optical properties is detachably connected.

115. (Currently Amended) A part of the housing according to claim 113, wherein the part of a housing is detachably connected to a lens module or a camera system.

116. (Currently Amended) A part of the housing according to claim 113, wherein the part of a housing integrates an assembly of a plurality of means for changing optical properties, wherein the assembly of lenses can be changed upon actuation.

117. (Currently Amended) A part of a the housing according to claim 113, wherein the means for changing optical properties is at least one of a lens, an objective comprising lenses, at least one filter, and a diffractive optical element.

118. (Currently Amended) A part of a the housing according to claim 113, wherein the housing is a housing of an external camera system attached to the mobile terminal device as an external module.

119. (Currently Amended) A part of a the housing according to claim 113, wherein the mobile terminal device is a mobile phone.

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120. (Currently Amended) An ~~means~~ apparatus for changing optical properties of a lens module of a camera system of a mobile terminal device, wherein the camera system comprising the lens module enables taking pictures with optical imaging properties given by the lens module, the means apparatus being comprised by a part of housing of the mobile terminal device, and the means apparatus being adapted to cooperate with the lens module of the camera system to enable taking pictures with changed optical imaging properties.

121. (Currently Amended) An ~~means~~ apparatus for changing optical properties according to claim 120, wherein the part of a housing is detachably connected with the camera system.

122. (Currently Amended) An ~~means~~ apparatus for changing optical properties according to claim 120, wherein the means apparatus for changing optical properties is comprises at least one means selected from the group consisting of: a lens, an objective comprising lenses, at least one filter, and a diffractive optical element, and combinations thereof.

123. (Currently Amended) An ~~means~~ apparatus for changing optical properties according to claim 120, wherein the housing is a housing of an external camera system attached to the mobile terminal device as an external module.

124. (Currently Amended) An ~~means~~ apparatus for changing optical properties according to claim 120, wherein the mobile terminal device is a mobile phone.

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125. (Currently Amended) A method for changing optical properties of a lens module of a camera system of a mobile terminal device, wherein the camera system comprising the lens module enables taking pictures with optical imaging properties given by the lens module, the method comprising:

changing optical properties of the lens module by actuating means for changing the optical properties of the lens module to cooperate with the lens module to enable taking pictures with changed optical imaging properties; and

placing the means for changing the optical properties in a part of housing of the mobile terminal device which is detachable from the mobile terminal device.

126. (Currently Amended) A method for changing optical properties according to claim 125, wherein the ~~means~~ apparatus for changing optical properties ~~is~~ comprises at least one means selected from the group consisting of: ~~of:~~ a lens, an objective comprising lenses, at least one filter, ~~and~~ a diffractive optical element, and combinations thereof.

127. (Previously Presented) A method for changing optical properties according to claim 125, wherein the camera system is built in the mobile terminal device.

128. (Previously Presented) A method for changing optical properties according to claim 125, wherein the camera system is attached to the mobile terminal device as an external module.

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129. (Previously Presented) A method for changing optical properties according to claim 125, wherein the mobile terminal device is a mobile phone.

130. (Previously Presented) A system for changing optical properties of a lens module of a camera system, comprising:

a mobile terminal device having the camera system comprising the lens module, which enables taking pictures with optical imaging properties given by the lens module; and

means for changing optical properties adapted to cooperate with the lens module to enable taking pictures with changed optical imaging properties, the means for changing optical properties being detachably arranged with the lens module.

131. (Previously Presented) A system according to claim 130, wherein the mobile terminal device is a mobile terminal device according to claim 106.

132. (Previously Presented) A system according to claim 130, wherein the mobile terminal device is a mobile terminal device according to claim 107.

133. (Previously Presented) A system according to claim 130, wherein the mobile terminal device is a mobile terminal device according to claim 108.

134. (Previously Presented) A system according to claim 130, wherein the mobile terminal device is a mobile terminal device according to claim 109.

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135. (Previously Presented) A system according to claim 130, wherein the mobile terminal device is a mobile terminal device according to claim 110.

136. (Previously Presented) A system according to claim 130, wherein the mobile terminal device is a mobile terminal device according to claim 111.

137. (Previously Presented) A system according to claim 130, wherein the mobile terminal device is a mobile terminal device according to claim 112.

138. (Previously Presented) A system according to claim 130, wherein the means for changing optical properties is means for changing optical properties according to claim 120.

139. (Previously Presented) A system according to claim 130, wherein the means for changing optical properties is means for changing optical properties according to claim 121.

140. (Previously Presented) A system according to claim 130, wherein the means for changing optical properties is means for changing optical properties according to claim 122.

141. (Previously Presented) A system according to claim 130, wherein the means for changing optical properties is means for changing optical properties according to claim 123.

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142. (Previously Presented) A system according to claim 130, wherein the means for changing optical properties is means for changing optical properties according to claim 124.

143. (New) A mobile terminal device comprising:

a camera system;

a part of a housing of the mobile terminal device, wherein the part of the housing is detachable from the mobile terminal device and comprises at least part of a lens module adopted to cooperate with said camera system.